

IN THE CLAIMS:

Please amend Claims 1 to 17 and add new Claim 18 as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A method Method of transcoding adapting the content of documents (21) on an information server (1), including comprising the following steps of:

[[[-]]] receiving (E31) a request by from a user (3) for access to a first document one of the documents (21) situated on the information server (1), said access request beginning a communication session; and

[[[-]]] analysing analyzing (E32) the characteristics contained in said access request; and

~~characterised in that it comprises a step of transcoding adapting (E35) the content of at least a second document situated on the information server (1) according to said characteristics, the step of transcoding of adapting (E35) said second document taking place before the reception of a request for access to said second document.~~

2. (Currently Amended) The transcoding Adaptation method according to Claim 1, wherein characterised in that the transcoding adaptation step (E35) is interrupted upon reception of a request for access to a document on the information server (1).

3. (Currently Amended) The transcoding Adaptation method according to one of Claims 1 or 2, wherein characterised in that, at the trancoding adaptation step (E35),

~~the content of all the documents situated on the information server (†) is adapted transcoded according to said characteristics.~~

4. (Currently Amended) The transcoding Adaptation method according to one of Claims 1 or 2, wherein characterised in that, at the transcoding adaptation step (E35), ~~the content of only some documents situated on the information server (†) is adapted transcoded~~ according to said characteristics.

5. (Currently Amended) The transcoding Adaptation method according to one of Claims 1 or 2, characterised in that it also includes further comprising a step (E35) of determining an order of processing for the transcoding adaptation of the documents situated on the information server (†).

6. (Currently Amended) The transcoding Adaptation method according to Claim 5, wherein characterised in that, at the determination step (E35), the order of processing of the documents is determined according to ~~the frequency of access to these the~~ documents on the information server (†).

7. (Currently Amended) The transcoding Adaptation method according to Claim 6, wherein characterised in that only some documents having a frequency of access greater than a threshold amount are adapted transcoded.

8. (Currently Amended) The transcoding Adaptation method according to Claim 5, wherein characterised in that, at the determination step (E35), the order of

processing of the documents is determined according to ~~the~~ a tree of the documents on the information server (1).

9. (Currently Amended) The trancoding Adaptation method according to one of Claims 1 or 2, wherein characterised in that, at the analysis step (E32), the characteristics contained in said access request are chosen amongst characteristics of a terminal of said user (3), characteristics of a communication network (2) between said user (3) and the information server (1), and characteristics peculiar to the user (3).

10. (Currently Amended) The transcoding Adaptation method according to one of Claims 1 or 2, further comprising characterised in that it also comprises a step of eliminating said transcoded adapted documents on the information server (1) at the end of the communication session between said user (3) and the information server (1).

11. (Currently Amended) A device Device for transcoding adapting the content of documents (21) on an information server (1), comprising:

[[-]] receiving means (22) of for receiving a request by from a user (3) for access to a first document (21) situated on the information server (1); and

[[-]] analyzing means (22) of analysing for analyzing characteristics containing contained in said access request; and

characterised in that it comprises transcoding means (22) of for transcoding adapting the content of at least a second document situated on the information server (1) according to said characteristics, the transcoding adaptation of said second document taking place before the reception of a request for access to said second document.

12. (Currently Amended) The transcoding Adaptation device according to
Claim 11, further comprising characterised in that it also has determination means (22) of
for determining the an order of processing for the transcoding adaptation of the documents
(21) situated on the information server.

13. (Currently Amended) The transcoding Adaptation device according to
one of Claims 11 or 12, further comprising characterised in that it also comprises means
(22) of for eliminating transcoded adapted documents of on the information server at the
end of said communication session between the user (3) and the information server (1).

14. (Currently Amended) The transcoding Adaptation device according to
one of Claims 11 or 12, wherein characterised in that said receiving means of receiving
(22), said analyzing means analysing (22), and said transcoding means adapting (24) and
possibly determining (22) and eliminating (22) are incorporated in:

[[-]] a microprocessor (100);
[[-]] a read only memory (102) adapted to store a program for transcoding
adapting the content of documents; and
[[-]] a random access memory (103) comprising registers adapted to store
variables modified during the running of said program.

15. (Currently Amended) An information Information server, characterized
characterised in that it comprises means adapted to implement the transcoding adaptation
method according to one of Claims 1, 2, 11 or 2 +2.

16. (Currently Amended) A communication ~~Communication~~ network comprising at least one information server (1) delivering documents (2) to one or more users (3) of the information network (2), characterized characterised in that it comprises means adapted to implement the transcoding adaptation method according to one of Claims 1,~~2, 11~~ or 2 12.

17. (Currently Amended) A computer ~~Computer~~ program, stored on a computer-readable medium and readable by a microprocessor, that when implemented by a computer causes the computer comprising portions of software codes adapted to implement the transcoding adaptation method according to one of claims 1,~~2, 11~~ or 2 12.

18. (New) The transcoding device according to Claim 13, wherein said determining means and said eliminating means are incorporated in:

a microprocessor;
a read only memory adapted to store a program for transcoding the content of documents; and
a random access memory comprising registers adapted to store variables modified during the running of said program.

REMARKS

This application has been carefully reviewed in light of the Office Action dated August 23, 2004. Claims 1 to 18 are now pending in the application, with Claim 18 having been added. Claims 1 and 11 are the independent claims herein. Reconsideration and further examination are respectfully requested.

The specification was objected to for not including headings. The specification has been amended to include headings. Additionally, the sentence at page 7, lines 1 to 2 was objected to for an informality which has been attended to by amendment as recited above. Therefore, withdrawal of the objections to the specification is respectfully requested.

The abstract of the disclosure was also objected to. A new abstract has been provided as recited above. Therefore, withdrawal of the objection to the abstract is respectfully requested.

Figure 9 was objected to for allegedly lacking suitable descriptive legends. The objection is respectfully traversed since, as clearly described in the specification, Fig. 9 depicts the direction of travel and the processing of different orders of depth P for all of pages 21 in the information server. Fig. 9, as clearly described in the specification, is used in conjunction with the description of processing shown and described with regard to Figs. 6 to 8. Thus, it is believed that Fig. 9 is clearly understood when read in conjunction with the accompanying description and therefore, no changes are necessary. Accordingly, no changes to Fig. 9 have been made herein.

Claims 17-1, 17-2, 17-11 and 17-12 were rejected under 35 U.S.C. § 101 as allegedly being directed to a computer-program per se. Claim 17 has been amended to

more clearly recite the statutory subject matter thereof. Accordingly, withdrawal of the § 101 rejections is respectfully requested.

Claims 1 to 17 were rejected under 35 U.S.C. § 112, first paragraph.

Without conceding the correctness of the rejections, the terminology in the claims has been amended to more accurately reflect the description contained in the specification.

Accordingly, withdrawal of the § 112, first paragraph, rejections is respectfully requested.

Claims 1 to 17 were also rejected under 35 U.S.C. § 112, second paragraph.

Again, without conceding the correctness of the rejections, the claims have nonetheless been amended giving due consideration to the points noted in the Office Action.

Withdrawal of the § 112, second paragraph, rejections is respectfully requested.

Claims 1 to 7 and 9 to 17 were rejected under 35 U.S.C. § 103(a) over U.S. Publication 2001/0020242 (Gupta) in view of U.S. Publication 2001/0011226 (Greer), and Claim 8 was rejected under § 103(a) over Gupta in view of Greer and further in view of U.S. Patent 5,933,827 (Cole). The rejections are respectfully traversed and the Examiner is requested to reconsider and withdraw the rejections in light of the following comments.

The present invention concerns transcoding of documents. According to the invention, a user requests access to at least a first document contained on an information server. The request is analyzed to obtain characteristics thereof. For example, the request may include information regarding the type of terminal the user is transmitting the request from, the type of communication network that the request is being transmitted over, or other information peculiar to the user. Based on the characteristics, at least a second document (or possibly all other documents on the information server) are transcoded before a request for access to the second document is received by the information server. As a result, documents contained on the server can be appropriately coded according to the

user's needs before the user requests access to the documents, thereby saving time in the transcoding process.

Referring specifically to the claims, amended independent Claim 1 is a method of transcoding content of documents on an information server, comprising the steps of receiving a request from a user for access to a first document situated on the information server, the access request beginning a communication session, analyzing characteristics contained in the access request, and transcoding content of at least a second document situated on the information server according to the characteristics, the transcoding of the second document taking place before reception of a request for access to the second document.

Amended independent Claim 11 is an apparatus claim that substantially corresponds to Claim 1.

The applied art, alone or in any permissible combination, is not seen to disclose or to suggest the features of Claims 1 and 11. More particularly, the applied art is not seen to disclose or to suggest at least the feature of transcoding content of at least a second document situated on an information server according to characteristics from a request to access a first document, the transcoding of the second document taking place before reception of a request for access to the second document.

Gupta is merely seen to disclose that information related to a user is collected (such as the user's preferences, demographic information, web pages accessed, etc.). The information is collected by an Internet Service Provider and is collected to be used by a proxy to conduct targeted advertising. The targeted advertising application inserts, for example, an advertisement related to the user profile in a new web page to be consulted by the user. Thus, Gupta merely utilizes the user information to determine which

advertisement to insert in a web page accessed by the user. Gupta is not, however, seen to disclose or to suggest at least the feature of transcoding content of at least a second document situated on an information server according to characteristics from a request to access a first document, the transcoding of the second document taking place before reception of a request for access to the second document.

Greer, like Gupta, is merely seen to relate to targeted advertising in which Greer utilizes a user profile to determine a type of ad banner to transmit to the user. However, Applicants fail to see anything in Greer that, when combined with Gupta, would have resulted in the present invention. More particularly, Greer, like Gupta is not seen to disclose or to suggest at least the feature of transcoding content of at least a second document situated on an information server according to characteristics from a request to access a first document, the transcoding of the second document taking place before reception of a request for access to the second document.

Cole has been studied but is not seen to add anything that, when combined with Gupta and/or Greer, would have rendered the present invention obvious. More particularly, like Gupta and Greer, Cole is not seen to disclose or to suggest at least the feature of transcoding content of at least a second document situated on an information server according to characteristics from a request to access a first document, the transcoding of the second document taking place before reception of a request for access to the second document.

In view of the foregoing deficiencies of the applied art, all of Claims 1 to 18 are believed to be allowable.

No other matters having been raised, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



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